

# POWER VISION

Honda Installation Guide

## PARTS LIST



- |   |                 |   |               |
|---|-----------------|---|---------------|
| 1 | POWER VISION    | 2 | VELCRO        |
| 1 | REFLASH HARNESS | 2 | DYNOJET DECAL |
| 1 | USB CABLE       |   |               |

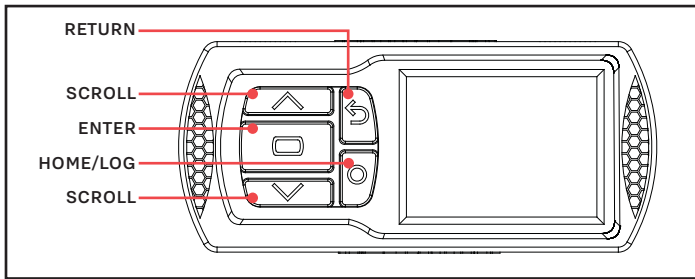
PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION



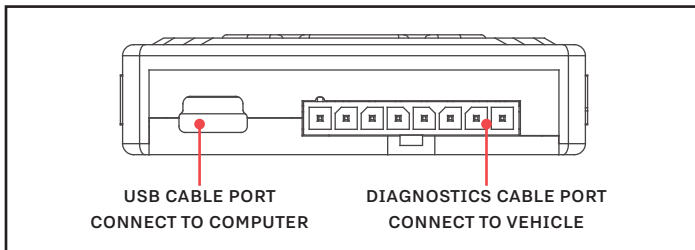
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**POWER VISION**  
**DYNOJET**

# INTRODUCTION



POWER VISION OVERVIEW—FRONT VIEW



POWER VISION OVERVIEW—SIDE VIEW

Thank you for purchasing the Power Vision from Dynojet Research. The Power Vision is the device to interface between your computer and vehicle ECU allowing you to tune your stock ECU to achieve optimal performance from your vehicle.

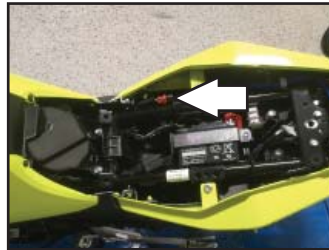
Use the buttons to navigate the device menus, make selections, cycle through the four available gauge screens, and log data. Connect to the diagnostic port to flash a tune; use the USB connection to interface between the Power Vision and your computer.

For state of the art technical support, please visit [www.dynojet.zendesk.com](http://www.dynojet.zendesk.com).

# INSTALLING THE POWER VISION



INSTALL POWER VISION



DIAGNOSTIC PORT

**1** Secure the Power Vision to the vehicle using the supplied Velcro. Make sure the Power Vision will not interfere with the operation and steering of the vehicle.

**Note:** The Power Vision does not need to be mounted to the vehicle.

**2** Attach the diagnostic cable to the diagnostic port on the Power Vision and to the diagnostic port on the vehicle.

**Grom Models:** located under the seat.

**CB300/CBR300R Models:** located under the seat on the left hand side.

**Note:** Leave the additional red pigtail wire disconnected. Do not use this wire unless instructed to do so by Dynojet technical support.

# GETTING STARTED

Use the Tune File Wizard to prepare your Power Vision device with the stock (.stk) and tune (.djt) files needed to flash your vehicle.

- 1 Connect the Power Vision to the vehicle.
- 2 Turn the key on. The Power Vision will scan for files.

There are three possible file states:

**File State 1:** No compatible tune or stock files.

**File State 2:** No compatible tune files.

**File State 3:** All required files found.

- 3 Gauges are displayed.

Connect the Power Vision to the vehicle diagnostic port to collect ECU information. Turn the key on.



## File State 1:

Go to [www.tunes.dynojet.com](http://www.tunes.dynojet.com) to download stock and tune files.

### GETTING STARTED

NO COMPATIBLE STOCK FILES  
To download tunes, visit:  
[WWW.TUNES.DYNOJET.COM](http://WWW.TUNES.DYNOJET.COM)  
PRESS [ENTER] TO SEARCH AGAIN

## File State 2:

Go to [www.tunes.dynojet.com](http://www.tunes.dynojet.com) to download tune files.

### GETTING STARTED

NO COMPATIBLE TUNE FILES  
To download tunes, visit:  
[WWW.TUNES.DYNOJET.COM](http://WWW.TUNES.DYNOJET.COM)  
PRESS [ENTER] TO SEARCH AGAIN

## File State 3:

All required files found. The Power Vision is ready to flash a tune to the connected vehicle.

### READY TO FLASH

ALL REQUIRED FILES FOUND  
PRESS [ENTER] TO READ ECU  
PRESS [ENTER] TO EXIT WIZARD

# FLASHING YOUR VEHICLE

The Power Vision must be paired to the connected vehicle ECU to function properly.

**Note:** Once paired to the vehicle ECU, the Power Vision will not work on another vehicle without purchasing a tune license.

- 1 From the Main Menu, select **Flash Tune**.
- 2 Select the tune file (.djt) and press **Enter** to view the Tune Info. The Tune Info screen contains the technical notes showing what was changed in the tune.

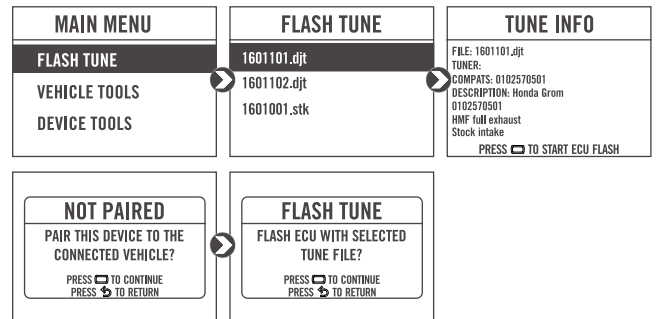
**Note:** The PV3 filters out files which are not compatible with the connected vehicle based on year/trim delivered direct from the factory and result in varied tune Compat and CheckSum within the ECU. Additional files may be visible on the device when connected via USB or on the website; however, the PV3 will only display files which directly fit your vehicle.

**Note:** The Dynojet tune file (.djt) is a tune file which is different (better than stock performance or the necessary file when bolting on an exhaust, for example); the stock file (.stk) is the direct duplicate of what the OEM shipped.

- 3 Press **Enter** to accept the tune, or restore the ECU to original stock (.stk) file, and pair the Power Vision to the vehicle.

**Note:** Pair to vehicle will only happen on the first flash.

- 4 Press **Enter** to pair and lock the Power Vision to the ECU and to begin the flash. Do not turn off the key switch or disconnect the Power Vision during the flash.
- 5 After the flash is complete, turn the key off and wait 45 seconds before turning the key back on to start.



# VIEWING THE VEHICLE INFORMATION

This menu allows you to view the device status (paired/not paired), VIN #, Model ID, ECU serial number, tune compat, and checksum compat.

Select **Vehicle Tools>Vehicle Information**.

|               |                     |                                  |
|---------------|---------------------|----------------------------------|
| MAIN MENU     | VEHICLE TOOLS       | VEHICLE INFO                     |
| FLASH TUNE    | VEHICLE INFORMATION | PAIRED VEHICLE: 4XAVAE8766B69588 |
| VEHICLE TOOLS | DIAGNOSTICS         | VIN: 2200010143501EAA            |
| DEVICE TOOLS  | READ ECU            | MODEL ID:                        |
|               |                     | ECU SN: EC13E67305E5875A         |
|               |                     | TUNE COMPAT: 0102570501          |
|               |                     | CSUM COMPAT:                     |

# VIEWING THE DIAGNOSTIC CODES

This menu allows you to read and clear diagnostic trouble codes.

- 1 To read codes, select **Vehicle Tools>Diagnostics>Active Codes**.
- 2 To clear codes, select **Vehicle Tools>Diagnostics>Clear Codes**.

|               |                     |                |
|---------------|---------------------|----------------|
| MAIN MENU     | VEHICLE TOOLS       | DIAGNOSTICS    |
| FLASH TUNE    | VEHICLE INFORMATION | ACTIVE CODES   |
| VEHICLE TOOLS | DIAGNOSTICS         | HISTORIC CODES |
| DEVICE TOOLS  | READ ECU            | CLEAR CODES    |

# RESTORING THE ECU

This menu allows you to restore the ECU. Use Restore ECU if the device does not complete the flash or if your vehicle will not start.

Select **Vehicle Tools>Restore ECU**.

|               |                 |                                   |
|---------------|-----------------|-----------------------------------|
| MAIN MENU     | VEHICLE TOOLS   | RESTORE ECU                       |
| FLASH TUNE    | READ ECU        | RESTORE ECU TO ORIGINAL STK FILE? |
| VEHICLE TOOLS | DELETE DATA LOG | PRESS <b>↵</b> TO CONTINUE        |
| DEVICE TOOLS  | RESTORE ECU     | PRESS <b>⏪</b> TO RETURN          |

# CONFIGURING GAUGES

This menu allows you to configure up to four different gauge screens. Each gauge screen has four configurable channels.

- 1 From the Main Menu, select **Device Tools>Configure Gauges**.
- 2 Select a gauge screen and press **Enter**.
- 3 Select a channel and press **Enter**.
- 4 Select a channel from the list and press **Enter**.
- 5 Select the precision or units for that channel and press **Enter**.
- 6 Continue setting up the remaining channels as desired.
- 7 Continue configuring the remaining gauge screens as desired.

|               |                    |                  |
|---------------|--------------------|------------------|
| MAIN MENU     | DEVICE TOOLS       | CONFIGURE GAUGES |
| FLASH TUNE    | CONFIGURE GAUGES   | SCREEN 1         |
| VEHICLE TOOLS | DEVICE INFORMATION | SCREEN 2         |
| DEVICE TOOLS  | REFORMAT DISK      | SCREEN 3         |
|               |                    | SCREEN 4         |

|                  |             |                  |
|------------------|-------------|------------------|
| CONFIGURE SCREEN | SELECT UNIT | SELECT PRECISION |
| CHANNEL 1        | RPM         | 0                |
| CHANNEL 2        | RPMx10      | 0.0              |
| CHANNEL 3        | RPMx100     | 0.00             |
| CHANNEL 4        | RPMx1000    | 0.000            |

# LOGGING DATA

- 1 Press the **Log** button to begin logging. The Power Vision screen will illuminate a bright red banner across the top when logging.
- 2 Press the **Log** button again to stop logging.
- 3 Use the Power Core software to view log files.

**Snapshot Log:** Press and hold the **Log** button for two seconds to record the previous two minutes of operating time.

|   |  |               |
|---|--|---------------|
| DATA LOG                                      | DYNO-JET   | SAVING LOG    |
| DATA LOGGING HAS STARTED. PRESS AGAIN TO STOP | Engine Speed 2550 RPM<br>AFR 1 14.6 AFR<br>TPS 10.5<br>STFT -6.3 | SAVING LOG... |

|   |
|---|
| DATA LOG                                |
| 1610101_LOG_1.wp8<br>SAVED SUCCESSFULLY |

# DELETING DATA LOGS

This menu allows you to delete data logs.

- 1 Select **Vehicle Tools>Delete Data Log**.
- 2 Select a specific log to delete or select **\*Delete All Logs\***.

| MAIN MENU     | VEHICLE TOOLS   | LOG FILES         |
|---------------|-----------------|-------------------|
| FLASH TUNE    | DIAGNOSTICS     | *Delete All Logs* |
| VEHICLE TOOLS | READ ECU        | 1601101_LOG_1.wp8 |
| DEVICE TOOLS  | DELETE DATA LOG | 1601101_LOG_2.wp8 |
|               |                 | 1601101_LOG_3.wp8 |

# VIEWING THE DEVICE INFORMATION

This menu allows you to view the device firmware version, serial number, and stock code.

Select **Device Tools>Device Information**.

| MAIN MENU     | DEVICE TOOLS       | DEVICE INFORMATION         |
|---------------|--------------------|----------------------------|
| FLASH TUNE    | CONFIGURE GAUGES   | DYNOJET POWER VISION       |
| VEHICLE TOOLS | DEVICE INFORMATION | FW VERSION: 5.0.6904.16507 |
| DEVICE TOOLS  | REFORMAT DISK      | SERIAL NUMBER: PV00029757  |
|               |                    | STOCK CODE: 76125082       |

# REFORMATTING THE DISK

This menu allows you to reformat the disk and erase all data.

Select **Device Tools>Reformat Disk**.

| MAIN MENU     | DEVICE TOOLS       | REFORMAT DISK           |
|---------------|--------------------|-------------------------|
| FLASH TUNE    | CONFIGURE GAUGES   | ALL DATA WILL BE ERASED |
| VEHICLE TOOLS | DEVICE INFORMATION | PRESS  TO CONTINUE      |
| DEVICE TOOLS  | REFORMAT DISK      | PRESS  TO RETURN        |

# CHANGING THE SETTINGS

This menu allows you to rotate the screen allowing you to change the orientation of the Power Vision device along with adjusting the screen brightness.

Select **Device Tools>Settings>Rotate Screen** to flip the screen.

Select **Device Tools>Settings>Brightness** to change the screen brightness.

| DEVICE TOOLS       | DEVICE SETTINGS | ROTATE SCREEN             |
|--------------------|-----------------|---------------------------|
| DEVICE INFORMATION | ROTATE SCREEN   | THIS WILL FLIP THE SCREEN |
| REFORMAT DISK      | BRIGHTNESS      | PRESS  TO CONTINUE        |
| SETTINGS           |                 | PRESS  TO RETURN          |

| DEVICE TOOLS       | DEVICE SETTINGS | BRIGHTNESS         |
|--------------------|-----------------|--------------------|
| DEVICE INFORMATION | ROTATE SCREEN   | 20%                |
| REFORMAT DISK      | BRIGHTNESS      |                    |
| SETTINGS           |                 | PRESS  TO CONTINUE |
|                    |                 | PRESS  TO RETURN   |

# UPDATING THE DEVICE

This menu allows you to update the device with the latest firmware.

- 1 Go to [www.dynojet.com/PowerVision](http://www.dynojet.com/PowerVision).
- 2 From the top navigation menu, select **Support>Downloads**.
- 3 Click **Power Vision 3**.
- 4 Click the **Firmware** drop-down and download the Power Vision 3 Firmware for Honda.
- 5 Save the file to your device.
- 6 Select **Device Tools>Update Device**.

| MAIN MENU     | DEVICE TOOLS  | UPDATE DEVICE          |
|---------------|---------------|------------------------|
| FLASH TUNE    | REFORMAT DISK | PV3_5.9.7529.20423.dfu |
| VEHICLE TOOLS | SETTINGS      |                        |
| DEVICE TOOLS  | UPDATE DEVICE |                        |

# EXPORT DIAGNOSTICS

This menu allows you to create a BIN file containing device information used by Dynojet Tech Support.

- 1 Select **Device Tools>Export Diagnostics**.
- 2 If requested by Dynojet Tech Support, connect your Power Vision to a computer and email the BIN file to PV3tech@dynojet.com.



# USING THE POWER VISION UPDATE CLIENT

This stand alone application will launch the Update Client allowing you to update your Power Vision with the latest firmware, retrieve additional tunes, or restore the Power Vision to the original Dynojet factory settings.

- 1 Connect the Power Vision to your computer using the included USB cable.
- 2 Navigate to the POWERVISION drive attached to your computer and run the **Update.exe** file.
- 3 Click **Update** to load the current firmware. If the Update button is grayed out, your Power Vision already has the latest firmware.
- 4 Click **Restore** to reload all original Dynojet tune and stock files.
- 5 Click **Get Tunes** to open the Dynojet Tune Finder. Follow the instructions to Upload your PV\_Info.txt file and retrieve new tunes.
- 6 Click **Manual Firmware Update** to navigate to and load a version of firmware already saved on your computer.

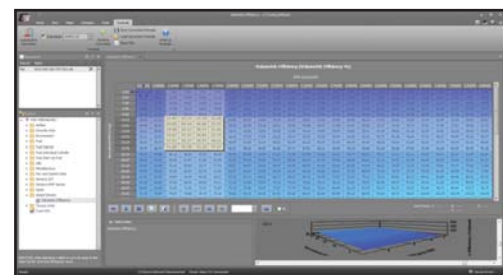


# INSTALLING THE POWER CORE SOFTWARE

Download the Power Core software and take tuning to a whole new level.

**Note:** Downloading the Power Core software is optional and not necessary to use the Power Vision.

- 1 Go to [www.dynojet.com/PowerVision](http://www.dynojet.com/PowerVision).
- 2 From the top navigation menu, select **Support>Downloads**.
- 3 Click **Power Vision 3**.
- 4 Click the **Software** drop-down and download the Dynojet Power Core software.
- 5 Double-click the saved file to begin installation. Follow the on-screen prompts. Refer to the Power Core Help for more information.





# **PUSH THE LIMIT**

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